



**ST. PIUS X HIGH SCHOOL**  
Dominican Sisters of Houston ★ 1956

**Course Catalog**  
**2024-2025**

# Table of Contents

Introduction	3
Graduation Requirements	3
Course Selection Process	3
Course Changes	4
Honors/AP Course Guidelines	4
AP Exam	4
Grade Point Values	5
Program of Study	5
Theology	7
English	10
English Language Arts/Communications	13
Foreign Language	14
Mathematics	17
Science	20
Social Studies	24
Fine Arts	28
Business	36
Computer Science	37
Physical Education/Athletics	38
Study Labs	40
AP Agreement	41

# Course Selections 2024-2025 School Year

## INTRODUCTION

The curriculum of St. Pius X High School includes the core subject areas of theology, English, foreign languages, mathematics, science, and social studies. The elective program offers students the opportunity to pursue and explore other areas of interest. All courses are designed with the development of well-rounded, critical-thinking, Veritas men and women in mind. SPX frequently reviews and revises course offerings to meet the needs of students and prepare them for college and today's society.

## GRADUATION REQUIREMENTS

Students must meet the following requirements of 28 units of credit for graduation from St. Pius X High School:

Theology	4 credits
English	4 credits
Mathematics	4 credits
Science	4 credits
Social Studies	4 credits
Foreign Language	2 credits
Physical Education	1 credit
Communications	1/2 credit
Health	1/2 credit
Christian Service	1/2 credit
Fine Arts	1 credit
Computer Applications	1/2 credit
Electives	2 credits (minimum)

\*1/2 credit of Physical Education can be earned by satisfactorily completing a season of a designated SPX co-curricular. The other 1/2 Physical Education credit must be taken as a course such as PE and/or Dance class.

## COURSE SELECTION PROCESS

Each student meets with his/her counselor during the spring semester to discuss course selections for the following year. Prior to the meeting, each student will view the courses for which the student's current core teachers have approved, based on the department's honors/AP enrollment prerequisites. Preliminary honors/AP core course placement will be made using the student's first semester grade and most recent available test scores.

Students will have the opportunity to select electives of their interest. St. Pius X High School will make every effort to place students in their requested electives. If a requested course conflicts with another class, the student will be placed in another elective option. Courses must meet an enrollment threshold. Should a course be closed due to low enrollment, the student will be placed in another course that meets their graduation requirements.

**Student schedules are not created or changed based on requests for specific teachers or specific semesters.** Course instructors may shift from fall to spring as course loads are balanced to meet the needs and interests of students.

Following spring course selections, each student's parent/guardian will be invited to schedule a meeting with their child's counselor to discuss their student's course selections and four-year plan.

## **COURSE CHANGES**

Course selections made during the spring course selection period and registration are considered permanent for the following academic year. Students should think of their selections as a commitment. We encourage students to take full advantage of all resources at SPX as they make their choices, and we expect that students maintain these decisions. We recognize; however, in special circumstances, change may be necessary. A schedule change may be considered justifiable if:

- The student was scheduled for a course in which he or she has inadequate background. This change must be initiated by the student's teacher or counselor.
- The student was scheduled for a course for which he or she has not completed the required prerequisites.
- The student has special circumstances (such as health, wellness, etc.) and the change is approved by the Academic Dean, through the student's counselor.
- A clerical error was made on the part of the administration which caused the student to be placed in the wrong class.

All schedule changes will involve the student, parent(s), counselor, and teacher. Students must complete the schedule change request form for each change. The deadline for student/parent-initiated schedule changes for the 2024-2025 school year is Wednesday, August 28, 2024. After that deadline, the student must complete the course for a grade and changes will not be made.

Teachers may initiate schedule changes after the deadline, but prior to the mid-semester report, if it is determined that the student has an inadequate background in the subject area. In these cases, the transcript and report card will reflect the grade and title of the new course. Grades from the dropped course will not carry over.

## **HONORS/ADVANCED PLACEMENT/DUAL CREDIT COURSE GUIDELINES**

Honors/AP courses are designed to meet the needs of students who want an advanced college preparatory curriculum, have an innate interest in learning, and possess a high level of responsibility, aptitude, and achievement. Course content and concepts are explored in greater depth compared to college preparatory level courses and more independent work is expected of the student.

For a student to take an honors/AP/ Dual Credit level course, the student must understand that honors/AP/ Dual Credit courses require considerably more homework and studying than a college preparatory course. Work will be assigned and graded accordingly. Students will not be registered for an honors/AP/ Dual Credit course unless he/she meets all prerequisites.

Honors/AP/ Dual Credit courses have a limited number of students; actual offerings will depend on student interests and qualifications. Once a student is enrolled in an honors/AP/ Dual Credit course, he or she will remain in the course until the completion of the course.

Being mindful of a balanced and healthy workload, students should keep in mind their co-curricular activities, jobs, and other responsibilities, when making scheduling decisions. Students requesting more than three AP/honors courses will be required to obtain approval from the Dean of Academics, through their counselor. All students enrolling in an AP course are required to complete the AP acknowledge form, which can be found at the end of the course catalog or obtained from the counseling office.

## **AP EXAM**

Enrollment in any AP class has the requirement of actively and conscientiously taking the AP Exam. Students are responsible for the fee associated with each AP Exam. Students who meet federal income requirements may request reduced fee information through their counselor.

## **GRADE POINT VALUES**

<u>Grade</u>	<u>Honors/AP</u>	<u>College Preparatory</u>
A – Excellent	5.0	4.0
B – Above average	4.0	3.0
C – Average	3.0	2.0
D – Below average	2.0	1.0
F – Fail	0.0	0.0

Course offerings are divided into two categories: Honors/AP/ Dual Credit and College Preparatory. These groupings are the basis for grade point values. St. Pius X High School is a non-ranking school. Students in the top 10% of their class will be notified of their standing and colleges and universities will be provided this information.

### Honors/AP/Dual Credit Courses

English: Honors English I, Honors English II, AP Language, AP Literature, English IV Dual Credit

Social Studies: Honors Ancient World History and Geography, AP World History: Modern, AP U.S. History, AP Government, Honors Economics, AP Psychology

Science: Honors Biology I, AP Biology, Honors Chemistry, AP Chemistry, AP Physics, AP Physics II

Foreign Language: AP Latin, AP Spanish, AP French

Mathematics: Honors Algebra I, Honors Geometry/Trigonometry, Honors Algebra II, Honors Pre-calculus, AP Calculus AB, AP Statistics

Computer Science: AP Computer Science Principles, AP Computer Science A

### College Preparatory Courses

All courses not listed under Honors/AP/ DUAL CREDIT Courses are considered college preparatory level and carry academic grade point value.

## **PROGRAM OF STUDY**

### Freshman

Theology I

English I/Honors English I

Mathematics

Biology/Honors Biology

Ancient World History and Geography/Hon. Ancient World History and Geography

Foreign Language I

Other: Computer Applications, P.E., Health, Communications, etc.

### Sophomore

Theology II

English II/Honors English II

Mathematics

Science

Modern World History and Geography/AP Modern World History and Geography

Foreign Language II

Other: P.E., Pantherettes, Cheerleading, Band, Fine Art, etc.

## Junior

Theology III

English III/ English III Challenging /AP English III

Mathematics

Science

U.S. History, AP U.S. History

Other: Fine Art, Language, Computer Science, etc.

## Senior

Theology Electives (2) 1 unit

English IV/AP English IV, Dual Credit English IV

Government/AP Government/Economics/Honors Economics

Mathematics

Science

Other: Fine Art, Language, Computer Science, etc.

## THEOLOGY

<b>TH 112 Theology I</b>	<b><u>Sacred Scripture and Revelation of Jesus Christ</u></b>	1 credit - Freshman
<b>CONTENT:</b>	The purpose of this course is to give students a general knowledge and appreciation of Sacred Scripture. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. The course will explore God's plan of salvation from Genesis through the Gospels as affirmed by Sacred Tradition, so students may grow to know and love Jesus Christ as the living Word of God, and the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>TH 122 Theology II</b>	<b><u>The Mission of Jesus Christ and Its Continuation in the Church</u></b>	1 credit - Sophomore
<b>CONTENT:</b>	The purpose of this course is to allow students to examine all that God has done for humanity through His Son, Jesus Christ. Students will learn that from the first moment of creation, God planned for humanity to share in Divine life as children of God the Father, sisters and brothers of the Son, and united in the Holy Spirit. Students will recognize the role that salvation history (God acting within history to bring about our salvation) plays in the life of a Christian. Students will learn how all human beings share in this redemption through Christ and will also be introduced to how they can encounter the living Jesus Christ through the Church. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>TH 131 Theology III</b>	<b><u>Moral and Sacramental Life in Christ</u></b>	1 credit - Junior
<b>CONTENT:</b>	This course focuses on the essential message of Christ's moral teaching and the importance of love of God and love of neighbor. Students study Natural Law and Christ's Teachings as well as Principles of Catholic Social Justice, which form the foundation of the Church's Moral Doctrine. By studying the Theological and Cardinal Virtues, Decalogue, Beatitudes and Sacraments, students learn to apply moral teachings to modern social and political issues such as basic human rights, war, poverty, racism and issues of life as well as to familial and sexual relationships.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>TH 136</b>	<b><u>Service-Learning Apostolate</u></b>	1/2 credit - Junior/Senior
<b>CONTENT:</b>	This independent study course enables students to offer direct social service to those with need through awareness and praxis. In this course, students serve in an approved social service agency for 100 hours of service learning and justice outreach completed independently, outside of regular school hours. The service experience is enhanced through formation, prayer and reflection, awareness activities, guidance, discernment, and small group meetings.	

<b>PREREQUISITES:</b>	Second semester junior standing	
<b>LENGTH OF COURSE:</b>	Second semester junior year through fall semester senior year	
<b>TH 126</b>	<b><u>Healing Racism</u></b>	1/2 credit - Senior Elective
<b>CONTENT:</b>	This elective course will provide seniors with the opportunity to reflect upon and address the problem of racism in our communities. Using active learning, role-playing, and reflection in a safe environment, students will be challenged to address prejudices and stereotypes and to provide practical solutions to the problem of racism. Students will examine racism as it has been manifested in our history and in our own personal lives. We will explore the Church's teachings on human dignity and the call to respect all human life. Using the four pillars of Dominican Life as our framework (Prayer, Study, Community, and Preaching), the students and teacher will be empowered to celebrate the community's diverse gifts and heritage and to embody social justice and service.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>TH 146</b>	<b><u>Death, Dying, and Resurrection</u></b>	1/2 credit - Senior Elective
<b>CONTENT:</b>	This course is a study of the Church's teaching on individual death, judgment, and the end of time. Students will discover what the dying process is like and consider how to accompany someone as they die. Learn the stages of grief and how to work through them in this course.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>TH154</b>	<b><u>Church History</u></b>	1/2 credit - Senior Elective
<b>CONTENT:</b>	The purpose of this course is to help students understand the current state of the Catholic Church by examining its history. This course will focus on history since the Enlightenment through to the current day with a particular focus on the Second Vatican Council. Students will examine the historical context and interactions within external factors with the Catholic Church.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>TH 128</b>	<b><u>Creating Justice: Catholic Social Teaching</u></b>	1/2 credit - Senior Elective
<b>CONTENT:</b>	The purpose of this course is to help students understand the relationship between economic systems and Catholic Social Teaching (CST). Students will examine theory and policy of mainstream American economics as well as CST regarding the dignity of the human person, work, markets, and the environment. Students will then apply CST to concrete economic situations and policies.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>TH 127</b>	<b><u>World Religions and Interfaith Dialogue</u></b>	1/2 credit - Senior Elective
<b>CONTENT:</b>	This course will help students understand the way the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church, and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in other religions. The students will explore religious traditions	



from around the world (Judaism, Islam, Hinduism, Buddhism, Confucianism, Taoism), emphasizing the communal and cultural dimensions of religion.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One semester

**TH 153**

**Sacred Scripture**

1/2 credit – Senior Elective

**CONTENT:**

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Given the limits of a semester of study, it will not be possible to introduce all the books of the Bible, but every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in the record of Revelation, and God's desire to share merciful love with us.

**PREREQUISITES:**

none

**LENGTH OF COURSE:**

One semester

## ENGLISH

<b>EN 201</b>	<b><u>English I:</u></b>	1 credit - Freshman
	<b><u>Foundations in Literature and English Composition</u></b>	
<b>CONTENT:</b>	English I introduces students to literary analysis and narrative writing through the study of a variety of classical and contemporary coming-of-age literature selections. Students will read, discuss, and write academic literary analysis essays about these works of literature. Also, students will write creatively about themselves, as they explore theme, character, and symbolism in creative projects through the genre of personal narrative.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 202</b>	<b><u>Honors English I:</u></b>	1 credit – Freshman
	<b><u>Foundations in Literature and English Composition</u></b>	
<b>CONTENT:</b>	Honors English I begins a comprehensive study of literature emphasizing characterization, theme, setting, figurative language, irony, symbol, and satire. Students will acquire formal writing and documentation skills to improve their grammar and sentence structure in both paragraphs and analytical essays.	
<b>PREREQUISITES:</b>	ISEE scores as determined by English department. If a student does not meet these criteria, they may opt-into taking the SPX placement exam.	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 205</b>	<b><u>English II:</u></b>	1 credit - Sophomore
	<b><u>Foundations in Literature and English Composition</u></b>	
	English II extends the study of literary analysis, composition, and language. Students improve language skills through the study of vocabulary and write a variety of compositions ranging from research essays to literary analysis. Emphasis is placed on the skills of supporting ideas and drawing conclusions. Students will read, study, discuss and write about major works of literature, including a variety of world and multi-cultural literature.	
<b>PREREQUISITES:</b>	English I	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 206</b>	<b><u>Honors English II:</u></b>	1 credit - Sophomore
	<b><u>Selected Major Works and English Composition</u></b>	
<b>CONTENT:</b>	In this course, students will study major works of world literature in great depth and write complex compositions in preparation for AP English III and IV. Through rigorous academic work, students will acquire the knowledge, concepts, and skills needed to engage in college-level English classes at the junior and senior level in high school.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: completion of Honors English I with 80% or higher/completion of English I with 95% or higher, PSAT 8/9 scores of 500+ in Reading and Writing, or a teacher recommendation.	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 210</b>	<b><u>English III: United States Literature</u></b>	1 credit - Junior
<b>CONTENT:</b>	English III focuses on higher order thinking skills in the process of reading and writing and the study of American literature. Speaking, listening, and literary criticism are further developed with an emphasis on analysis. Grammar and SAT vocabulary skills are stressed. This is a two semester course.	
<b>PREREQUISITES:</b>	English I and II	
<b>LENGTH OF COURSE:</b>	One year	

<b>EN 211</b>	<b><u>Advanced Placement English Language</u></b>	1 credit - Junior
<b>CONTENT:</b>	This course provides an in-depth study of language and rhetoric. The study of forms and themes of American authors' non-fiction rhetoric leads to comparison and contrast of American thought from colonial to modern times. The study of rhetoric, grammar, style, mechanics and usage, syntax, and MLA reference rules culminates in taking the AP exam in May. This course is a comparison course; expect to read complex, lengthy texts and write often.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: Reading & Writing PSAT score of 550, or an 80%+ in Honors English II/95% in English II, or a teacher recommendation.	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN212</b>	<b><u>English IV Dual Credit</u></b>	1 credit – Senior (3 college hrs. per semester)
<b>CONTENT:</b>	This course provides college level instruction in English composition. The syllabus follows the University of St. Thomas syllabi for 1301 and 1302. The course is taught by a St. Pius X High School faculty member. It requires college level reading and writing ability. Completion of this course earning a "C" or above will earn students six hours of college credit which is reflected on the UST transcript. The course also fulfils the English IV requirement of 1 full credit towards graduation at SPX. The course is scheduled during regular high school hours on the SPX campus.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: ACT Composite of 22+, Reading and Writing SAT of 500+, or teacher recommendation	
<b>LENGTH OF COURSE:</b>	One year	
<b>TEXT:</b>	As required by college	
<b>FEE:</b>	Students pay a \$375 per semester fee to University of St. Thomas.	
<b>EN 215</b>	<b><u>English Literature and Composition IV</u></b>	1 credit - Senior
<b>CONTENT:</b>	English IV serves as an introduction to literary criticism and analysis of British Literature. Students will learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. Students will read literary works and write essays to explain and support their analysis of them. Students will apply their study of literary criticisms in formal writing and in creative projects.	
<b>PREREQUISITES:</b>	English III	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 216</b>	<b><u>Advanced Placement English Literature</u></b>	1 credit - Senior
<b>CONTENT:</b>	Students will learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. Students will read literary works and write essays to explain and support their analysis of them.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: Reading and Writing PSAT of 550, a 90%+ in AP English Language/95%+ English III, or teacher recommendation.	
<b>LENGTH OF COURSE:</b>	One year	
<b>EN 224</b>	<b><u>Standardized Test Preparation</u></b>	1/2 credit elective - Sophomore, Junior
<b>CONTENT:</b>	This course presents strategies and practices skills for improving standardized test scores. Students will complete and review practice online tests in English, mathematics, reading, and essay writing. They will also review the purposes of the ACT/SAT tests, general test-taking strategies, and ways to reduce test anxiety. This is a pass/ fail course.	
<b>PREREQUISITES:</b>	Successful completion of 10th grade English and mathematics	
<b>LENGTH OF COURSE:</b>	One semester	

**EN 229**

**Creative Writing**

1/2 credit elective - Juniors & Seniors

**CONTENT:**

Students will listen, watch, research and respond in writing to academic lectures and articles with summaries, opinions, and vocabulary development. Students will have the opportunity to participate in class discussions using the Socratic method of discussion. They will prepare speeches of varying lengths to help with pronunciation and build comfort and confidence in public speaking.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One semester

## ENGLISH LANGUAGE ARTS/COMMUNICATION

<b>LA 241</b>	<b><u>Communications</u></b>	1/2 credit required - all levels
<b>CONTENT:</b>	Students will identify, analyze, develop, and evaluate communication skills needed for success. The course will focus on relationships in interpersonal and intrapersonal communication, small groups, and public speaking. Students will learn to employ appropriate verbal and non-verbal communication. Units on group dynamics and listening skills will give students the skills to participate in classes, larger audiences, on teams and in small groups. Students apply skills presenting speeches, working in groups, and completing projects during the semester.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>LA 245</b>	<b><u>Debate I</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	Forensics prepares students to be successful in a variety of competitive speech/drama events offered in TAPPS, TFA and National Forensics League tournaments. Students will research in preparation for events such as Lincoln-Douglas debate and original oratory. They will learn argumentation which requires critical thinking and improves writing.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>LA 276</b>	<b><u>Academic Strategies I</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course provides students with an opportunity to practice reading and writing skills across the curriculum to succeed in college preparatory classes. The course emphasizes the development and application of literacy strategies for reading textbooks, novels, articles, and other academic reading materials as well as pragmatic support for communicating academically in formal writing across the curriculum. Students will work with the teacher to devise strategies and schedules for monitoring grades and accessing the tutorial program of the school.	
<b>PREREQUISITES:</b>	Recommendation of the Learning Center director and enrollment committee	
<b>LENGTH OF COURSE:</b>	One year	
<b>LA 278</b>	<b><u>Academic Strategies II</u></b>	1 credit - Sophomore
<b>CONTENT:</b>	This course provides students with an opportunity to practice reading and writing skills across the curriculum to succeed in college preparatory classes. The course emphasizes the development and application of literacy strategies for reading textbooks, novels, articles, and other academic reading materials as well as pragmatic support for communicating academically in formal writing across the curriculum. Students will work with the teacher to devise strategies and schedules for monitoring grades and accessing the tutorial program of the school.	
<b>PREREQUISITES:</b>	Academic Strategies I or recommendation of the Learning Center director	
<b>LENGTH OF COURSE:</b>	One year	

## FOREIGN LANGUAGE

<b>FL 301</b>	<b><u>French I</u></b>	1 credit - all levels
<b>CONTENT:</b>	This introductory course exposes students to the language and cultures of the French-speaking world. Students will develop basic proficiency in the four modalities of language learning: listening, speaking, reading, and writing. Students will first learn to communicate about themselves, their families, and their friends. Then, students will respond to oral and written prompts about their daily lives, responsibilities, and favorite restaurants. There is a strong emphasis on vocabulary acquisition and verb conjugation at this level. French will be used as much as possible during classroom instruction.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>FL 302</b>	<b><u>French II</u></b>	1 credit - all levels
<b>CONTENT:</b>	Students will continue to develop proficiency in the four modalities of language learning: listening, speaking, reading, and writing. Students will begin to use the language practically and creatively to make inquiries, gather information, and express opinions. Students will begin to hold conversations on topics ranging from holiday gatherings and food to daily routines and academic choices. They will begin to discuss and analyze fairytales and poems. Students will be introduced to a broad range of grammatical topics and continue to expand their vocabulary base and increase the number and type of situations in which they can function. This class will be conducted mostly in French.	
<b>PREREQUISITE:</b>	French I or placement exam	
<b>LENGTH OF COURSE:</b>	One year	
<b>FL 306</b>	<b><u>French III</u></b>	1 credit - Sophomore, Junior, Senior
<b>CONTENT:</b>	Students will continue to use the language practically and creatively to complete a variety of tasks including listening, speaking, reading, and writing. Themes to be explored include vacation and leisure activities, education and career choices, childhood memories, relationships, the environment, and art within the francophone world. More complex grammatical concepts are introduced. This course will be conducted in French.	
<b>PREREQUISITES:</b>	French I, French II	
<b>LENGTH OF COURSE:</b>	One year	
<b>FL 305</b>	<b><u>Advanced Placement French Language</u></b>	1 credit- Senior
<b>CONTENT:</b>	This course prepares students to communicate proficiently through the three modes of communication (interpersonal, interpretive, and presentational). Students will refine their French skills while adding new vocabulary pertinent to a variety of subjects and exploring a variety of material from the francophone world. This course is conducted entirely in French and students are expected to take the AP French exam in May.	
<b>PREREQUISITES:</b>	95% or above in French III or teacher recommendation	
<b>LENGTH OF COURSE:</b>	One year	
<b>FL 311</b>	<b><u>Latin I</u></b>	1 credit - all levels
<b>CONTENT:</b>	In this course, students learn the structure and vocabulary of the language from which most modern European languages have derived. Mastery of Latin grammar and vocabulary aids understanding and improves writing of the English language. Exposure to Latin provides strong skills for college entrance	

exams along with preparation for the terminology of science, law, and medicine.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One year

**FL 312**

**Latin II**

1 credit - Sophomore, Junior, Senior

**CONTENT:**

This course reviews the Latin vocabulary and syntax learned in the first year. It introduces new grammatical forms and vocabulary enabling the student to translate interesting, original Latin texts during the second semester.

**PREREQUISITES:**

Latin I or placement exam

**LENGTH OF COURSE:**

One year

**FL 310**

**Latin III**

1 credit - Sophomore, Junior, Senior

**CONTENT:**

Latin III students will read and study a variety of Roman texts and authors. Genres include historical and literary texts, including both poetry and prose: Roman comedies by Plautus and Terence, the poetry of Catullus and Horace, Caesar's Gallic Wars, and Virgil's Aeneid. Students will explore the works based on context of the cultural and historical backgrounds of the authors. Students will continue to learn new grammatical concepts while reviewing previously learned concepts, acquire new Latin vocabulary, and improve English skills through learning the etymology of Latin words derived from Latin, and their usage in English.

**PREREQUISITES:**

Latin I and Latin II

**LENGTH OF COURSE:**

One year

**FL 316**

**Advanced Placement Latin: Vergil and Caesar**

1 credit - Junior, Senior

**CONTENT:**

The goals of the AP Latin: Vergil and Caesar course conform to college Latin studies in the fourth through sixth semesters. The basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin using *Julius Caesar's Gallic Wars and Vergil's Aeneid*.

**PREREQUISITES:**

95% or above in Latin III or teacher recommendation

**LENGTH OF COURSE:**

One year

**FL 317**

**Spanish I**

1 credit - all levels

**CONTENT:**

Spanish I is the foundation course for students who have not taken Spanish previously and/or for those who have had limited instruction in the language. The basic structures of the language are introduced, reinforced, and practiced. Hispanic culture and history are integrated into the lessons regularly.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One year

**FL 321**

**Spanish II**

1 credit - all levels

**CONTENT:**

This course develops fluency in spoken and written Spanish through daily translation, interaction with new vocabulary and verb drills. Almost all aspects of Spanish grammar are taught and reviewed. Students are given the opportunities to see, hear, speak, and write the language. Online activities allow practice and reinforcement of each lesson.

**PREREQUISITES:**

Spanish I

**LENGTH OF COURSE:**

One year or placement exam

**FL 324**

**CONTENT:**

**PREREQUISITES:**

**LENGTH OF COURSE:**

**Spanish III**

1 credit - Sophomore, Junior, Senior

Spanish III is a fine-tuning of the total system of communication. At this level, emphasis is placed upon acquisition of oral skills, while perfecting and understanding grammatical constructions.

Spanish I and Spanish II or placement exam

One year

**FL 327**

**CONTENT:**

**PREREQUISITES:**

**LENGTH OF COURSE:**

**Advanced Placement Spanish Language**

1 credit - Junior, Senior

The AP program in Spanish language is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. The course covers the equivalent of a third-year college course in Advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. Students will take the AP Exam in May after completing this course.

95% or better in Spanish III or Spanish IV or teacher recommendation

One year



## MATHEMATICS

<b>MT 400</b>	<b><u>Algebra I</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course provides the algebraic foundation for college-bound students. Topics include solving equations, graphs and functions, systems of equations, and polynomial functions. This course is designed to prepare students for Geometry. All students must have everyday access to a TI-84 Plus CE graphing calculator.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 406</b>	<b><u>Honors Algebra I</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course provides an accelerated, comprehensive overview of Algebra I. It is designed for the college-bound student who enjoys mathematics and displays procedural and problem-solving skills. Both the quantity and complexity of problems are higher than those found in a standard algebra course. The approach is more theoretical. This course prepares students for Honors Geometry/Trigonometry and Honors Algebra II. All students must have everyday access to a TI-84 Plus CE graphing calculator.	
<b>PREREQUISITES:</b>	ISEE scores as determined by English department. If a student does not meet these criteria, they may opt-into taking the SPX placement exam.	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 410</b>	<b><u>Geometry</u></b>	1 credit - Freshman, Sophomore
<b>CONTENT:</b>	This is a college-preparatory course, designed to develop an understanding of geometric relations in a plane and in space. Students learn to reason mathematically while exploring concepts such as parallel and perpendicular lines, triangles, and quadrilaterals. Area, surface area, volume, circles, and 3-D shapes round out the curriculum.	
<b>PREREQUISITES:</b>	Algebra I or Honors Algebra I; See Algebra II pre-requisites for two-tracking pathway	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 411</b>	<b><u>Honors Geometry/Trigonometry</u></b>	1 credit - Freshman, Sophomore
<b>CONTENT:</b>	This course presents an accelerated, comprehensive survey of planar and spatial geometric relationships. Designed for the college-bound student with exceptional mathematical and critical/analytical ability, students enrolling in this course should want to move beyond the scope of the normal college preparatory curriculum. Students in this course will complete independent or group projects on topics not covered in a regular geometry course. All students must have everyday access to a TI-84 Plus CE graphing calculator.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 80%+ Honors Algebra I/95%+ Algebra I, 500+ on PSAT 8/9 Math, or teacher recommendation. See Algebra II pre-requisites for two-tracking pathway. Students who have completed Algebra I and/or Geometry in eighth grade, and who wish to be placed in this course, must take the St. Pius X placement exam, and receive department chair approval.	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 420</b>	<b><u>Algebra II</u></b>	1 credit - Junior, Senior
<b>CONTENT:</b>	This course provides a detailed study of transformations, linear functions, irrational and complex numbers, quadratic equations, systems of equations,	

polynomial functions, graphing techniques, and graphical analysis. All students must have everyday access to a TI-84 Plus CE graphing calculator.

**PREREQUISITES:**

Algebra I, Geometry

Option to two-track with Geometry if student earns at least 90% in Algebra I;

Option to two-track with Honors Geometry if student earns at least 95% in Algebra I or 90% in Honors Algebra I.

**LENGTH OF COURSE:**

One year

**MT 423**

**Honors Algebra II**

1 credit - Sophomore, Junior

**CONTENT:**

This course provides an accelerated, comprehensive program for college-bound students with exceptional ability. It covers all material found in the standard college-preparatory Algebra II course and is expanded to include some Pre-calculus topics. All students must have everyday access to a TI-84 Plus CE graphing calculator.

**PREREQUISITES:**

Students must meet two of the following criteria: 80% in Honors Algebra I/95% Algebra I and 80% in Honors Geometry/95% Geometry OR 550+ on PSAT, or teacher recommendation.

**LENGTH OF COURSE:**

One year

**MT 425**

**College Algebra/Trigonometry**

1 credit - Junior, Senior

**CONTENT:**

This course includes topics from advanced algebra and trigonometry and is designed for college-bound students. Graphing calculators are used to explore algebraic and trigonometric concepts. Transformations of data, graphs and equations include work with polynomials, exponential, logarithmic, and trigonometric functions. All students must have everyday access to a TI-84 Plus CE graphing calculator.

**PREREQUISITES:**

Algebra I, Geometry, Algebra II

**LENGTH:**

One year

**MT 430**

**Pre-Calculus**

1 credit - Junior, Senior

**CONTENT:**

This course focuses on the application of algebra and trigonometry to the study of polynomial, rational, exponential, logarithmic, and trigonometric functions, and their graphs. Special emphasis is given to problem solving, appropriate technology use, and skills needed for calculus. All students must have everyday access to a TI-84 Plus CE graphing calculator.

**PREREQUISITES:**

Algebra I, Geometry, Algebra II

**LENGTH:**

1 year

**MT 435**

**Honors Pre-Calculus**

1 credit - Junior, Senior

**CONTENT:**

This course is designed for the student who intends to take a calculus course at the high school or college level. This comprehensive, fast-paced course will integrate concepts and procedures from all previous mathematics courses and incorporate the theory, symbolism, and precision necessary to be successful in higher mathematics. Critical thinking, analysis skills, and application of concepts and procedures are emphasized. All students must have everyday access to a TI-84 Plus CE graphing calculator.

**PREREQUISITES:**

Students must meet two of the following criteria: 80%+ Honors Algebra II/95%+ Algebra II, or 500 on PSAT math, or teacher recommendation

**LENGTH OF COURSE:**

One year

<b>MT 439</b>	<b><u>Introduction to Calculus</u></b>	1 credit – Senior
<b>CONTENT:</b>	In this course students will build on their understanding of the end behavior of graphs to explore the limits of functions. Students will then explore derivatives of functions including polynomial, logarithmic, exponential, and trigonometry. Students will apply their understanding of derivatives to solve real world problems. Students will begin to explore integrals.	
<b>PREREQUISITES:</b>	Pre-Calculus or Honors Pre-Calculus	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 440</b>	<b><u>Advanced Placement Calculus AB</u></b>	1 credit – Junior, Senior
<b>CONTENT:</b>	This course prepares students to take the AP Calculus AB Exam in the spring semester. The curriculum closely follows the AP Calculus AB Course and Exam Description with review of the year’s material before taking the AP Exam. Students will explore new concepts and applications related to further college study in science, architecture, engineering, pre-medicine, or business. All students must have everyday access to a TI-84 Plus CE graphing calculator.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 80%+ in Honors Pre-Calculus/95%+ Pre-Calculus or PSAT scores of 550+, or a teacher recommendation	
<b>LENGTH OF COURSE:</b>	One year	
<b>MT 450</b>	<b><u>Advanced Placement Statistics</u></b>	1 credit - Junior, Senior
<b>CONTENT:</b>	This course will have students exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. All students must have everyday access to a TI-84 Plus CE graphing calculator.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 95%+ in Algebra II or successful completion of Honors Algebra II, Honors Calculus/Pre-Calculus or Calculus	
<b>LENGTH OF COURSE:</b>	One year	

## SCIENCE

<b>SC 520</b>	<b><u>Biology I</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course covers biological principles necessary to prepare the student for success in college science, while also emphasizing the practical biological concepts important to his/her own life. Course content includes the study of the metric system, molecule, cells, heredity, evolution, organisms, and populations. This foundation will lead to discussion and study of the six kingdoms of life and will include microbiology and a taxonomic study of plants, invertebrates, and vertebrates with an emphasis on the major systems of the human organism.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 521</b>	<b><u>Honors Biology I</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course provides a more in-depth study of the topics covered in Biology I. Lab work and vocabulary are more detailed and in-depth compared to the standard course. Individual research and outside reading will be required for students to actively contribute to classroom discussions on current topics in the field of Biology.	
<b>PREREQUISITES:</b>	ISEE scores as determined by English department. If a student does not meet these criteria, they may opt-into taking the SPX placement exam.	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 522</b>	<b><u>Advanced Placement Biology</u></b>	1 credit – Junior, Senior
<b>CONTENT:</b>	This course is designed to be the equivalent of a college introductory biology courses and includes topics and labs covered for biology majors. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Emphasis is placed on developing an understanding of concepts rather than on memorizing terms and technical details. Study of three major topic areas includes molecules and cells, heredity and evolution, and organisms and populations. The course will prepare students to take the AP Biology Exam in the spring. Students will be required to spend extra time outside of regular classroom hours to complete labs and projects to complete this course. These times may be scheduled before or after school hours depending on scheduling.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 85%+ Honors Biology or Honors Chemistry/95% in Biology or Chemistry, or 1100+ PSAT score, or teacher recommendation	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 530</b>	<b><u>Chemistry I</u></b>	1 credit - Sophomore, Junior
<b>CONTENT:</b>	This course provides a solid foundation of concepts and skills to prepare students for chemistry at the college level. Students are challenged to develop and use critical thinking and problem-solving skills. The unifying theme relating all topics is that the properties of matter are a consequence of their structure. Laboratory experiences challenge the student to apply theoretical concepts to relate them to real world phenomenon. Areas covered include measurement and calculations, classification of matter, matter-energy relationships, atomic and molecular structure, periodicity, the mole concept, formula calculations, solutions, and acids and bases.	

<b>PREREQUISITES:</b>	75%+ in Biology or previous science course; 75% + in Algebra I
<b>LENGTH OF COURSE:</b>	One year
<b>SC 531</b>	<b><u>Honors Chemistry I</u></b> 1 credit - Sophomore, Junior
<b>CONTENTS:</b>	This is a challenging course that will prepare students interested in pursuing a career in a scientific field. It is designed for students with strong science reasoning ability and work ethic. Areas covered include principles of matter-energy relationships, classification of matter, the mole concept, formula calculations, periodicity, atomic and molecular structures, solubility, acids and bases, equilibrium, and organic chemistry.
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: Placement in Algebra II + 85%+ in Honors Biology/95%+ in Biology, or PSAT scores of 1000+, or teacher recommendation
<b>LENGTH OF COURSE:</b>	One year
<b>SC 535</b>	<b><u>Advanced Placement Chemistry</u></b> 1 credit - Junior, Senior
<b>CONTENT:</b>	The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities.
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 85+% in Honors Chemistry/ a 95% in Chemistry I, or score 1100+ on full PSAT, or teacher recommendation
<b>LENGTH OF COURSE:</b>	One year
<b>SC 552</b>	<b><u>Physics</u></b> 1 credit - Junior, Senior
<b>CONTENT:</b>	Physics 1 is an algebra-based, college prep-level physics course that explores topics such as motion Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves, and sound. It will also introduce electric circuits. It will promote critical thinking skills and scientific reasoning through guided inquiry and problem solving.
<b>PREREQUISITES:</b>	Completion of Biology & Chemistry and completion or concurrent enrollment in Algebra II
<b>LENGTH OF COURSE:</b>	One year
<b>SC 556</b>	<b><u>Advanced Placement Physics I</u></b> 1 credit - Junior, Senior
<b>CONTENT:</b>	AP Physics I is an algebra-based, introductory college-level course that explores topics such as motion Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves, and sound. It will also introduce electric circuits. It will promote critical thinking skills and scientific reasoning and develop independent learners through inquiry.
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 95%+ in Chemistry I or an 85% in Honors Chemistry, composite PSAT score of 1100+, or teacher recommendation
<b>LENGTH OF COURSE:</b>	One year

<b>SC 557</b>	<b><u>Advanced Placement Physics II</u></b>	1 credit - Senior
<b>CONTENT:</b>	AP Physics II is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetisms; physical and geometric optics; and quantum, atomic, and nuclear physics.	
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: Successful completion of AP Physics I or 90%+ in Physics, current enrollment in pre-calculus or successful completion of pre-calculus	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 565</b>	<b><u>Environmental Science/Systems</u></b>	1 credit – Sophomore, Junior, Senior
<b>CONTENT:</b>	This course includes the study of natural resources, biodiversity, and ecology. Topics include the flow of energy in ecosystems and biomes, the study of populations and how they change and interact, and the organization of life. Students are introduced to science and the environment and will explore the scientific method, statistics, and models to make informed decisions about issues that affect the environment. The second semester includes the study of energy, pollution, and natural disasters as they impact the environment. Topics include environmental interrelationships and ethics, land use planning, agricultural methods, and the effect of greenhouse gases on climate change, water management, air pollution, waste management, alternative energy sources, and environmental policy and decision-making.	
<b>PREREQUISITES:</b>	Successful completion of Biology	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 570</b>	<b><u>Earth and Space Science</u></b>	1 credit – Sophomore, Junior, Senior
<b>CONTENT:</b>	This course will focus on three major science concepts: Earth in Space and Time, Solid Earth, and Fluid Earth. Course content includes geology, oceanography, meteorology, environmental science, and astronomy. Students will study the origin, evolution, and properties of the integrated Earth and planetary systems. Using a chronological framework and a systems approach, students will increase their knowledge of the dynamics of Earth and space using data, models, and observations over time.	
<b>PREREQUISITES:</b>	Successful completion of Biology	
<b>LENGTH OF COURSE:</b>	One year	
<b>SC 575</b>	<b><u>Forensic Science</u></b>	1 credit Junior, Senior
<b>CONTENT:</b>	This course provides a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. Using scientific methods students will collect and analyze evidence through case studies and simulated crime scenes. Methods will include fingerprint analysis, ballistics, blood spatter analysis and DNA testing. Students will learn the history, legal aspects, and career options for forensic science.	
<b>PREREQUISITES:</b>	Successful completion of Biology	
<b>LENGTH OF COURSE:</b>	One year	

**SC 582****CONTENT:**

**Engineering Design and Analysis** 1 credit - Sophomore, Junior, Senior  
Engineering Design and Analysis is a part of the Engineer Your World program from University of Texas at Austin-This course is designed to build 21st century skills, critical thinking and problem solving, communication and collaboration. Students will be working in a project-based environment developing skills to prepare them for a career in an engineering field, train them to think like an engineer, and develop their abilities to complete collegiate level work in the structured environment of an SPX classroom. \*This is a dual-enrollment course with the University of Texas at Austin. Application, acceptance, and proof of successful completion of UT's Dual Enrollment required to earn the extra grade point for this class. Students' schedules will reflect this higher GPA course after acceptances are released by UT in the fall. Students need to show continued proof of completion of the course to remain enrolled in the honors section. If students choose to take the course at SPX, but do not apply or are not accepted to the UT program, they will be enrolled in the class, but will NOT receive the additional GPA point.

**PREREQUISITES:**

Students must meet two of the following criteria: Successful completion of Biology I & Algebra I, teacher recommendation, or PSAT score of 460+ in math  
One year

**LENGTH OF COURSE:****SC 583****CONTENT:**

**Engineering Applications of Computer Science** 1 credit - Junior, Senior  
Engineering Applications of Computer Science is a part of the Engineer Your World Program from University of Texas at Austin and comprises a combination of project-based, socially relevant design challenges and explorations that introduce students to key computing principles in the context of engineering. Students employ engineering processes, skills, and mind habits to solve more complex challenges that rely on computing, programming, data representation and analysis, algorithmic thinking, and modeling skills required for engineering. This course builds on the skills set in year one. Students will be working in a project-based environment to prepare them for a career in an engineering field, training them to think like an engineer, and developing their abilities to complete collegiate level work in the structured environment of an SPX classroom.

**PREREQUISITES:**

Engineering Design and Analysis or teacher recommendation

**LENGTH OF COURSE:**

One year

## SOCIAL STUDIES

<b>SS 632</b>	<b><u>Ancient World History and Geography</u></b>	1 credit - Freshman
<b>CONTENT:</b>	This course is a study of the history of the world, and its impact on the present time. It also includes study of geography as it shapes the development of cultures, social groupings, activities, technologies, means of communication, and world views. The course seeks to develop skills, attitudes, and behaviors that will enable students to function as effective citizens in a changing world. The course will start with the beginnings of civilization and end with the Middle Ages. Major topics include civilizations of Egypt, China, Greece, Rome, and Africa, and major historical periods.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One year	
<b>SS 634</b>	<b><u>Honors Ancient World History and Geography</u></b>	1 credit - Freshman
<b>CONTENT:</b>	The course will start with the establishment of the earliest civilizations. These will include the civilizations of Egypt, India, China, Greece, Rome, and Africa through the Middle-Ages. This course is designed for those students with a strong interest in social studies and world events. It is a thorough appraisal of world cultures, geography, history, religion, and art and concentrates on analysis of the reasons behind historical events.	
<b>Prerequisites:</b>	ISEE scores in Verbal Reasoning and Reading Comprehension or ISEE 7 stanine or above in Verbal Reasoning and Reading Comprehension	
<b>Length of course:</b>	One year	
<b>SS 633</b>	<b><u>Modern World History and Geography</u></b>	1 credit - Sophomore
<b>CONTENT:</b>	This course is a study of the history of the world, and its impact on the present time. It also includes study of the development of cultures, social groupings, activities, technologies, means of communication, and world views. The course seeks to develop skills, attitudes, and behaviors that will enable students to function as effective citizens in a changing world. The course will start with the Enlightenment and Scientific Revolution and end with modern times. Major topics include: the French Revolution, WWI, WWII, The Cold War, The Korean War, Vietnam, The Gulf War, and the War in Afghanistan.	
<b>PREREQUISITES:</b>	Ancient World History and Geography	
<b>LENGTH OF COURSE:</b>	One year	
<b>SS 638</b>	<b><u>AP World History: Modern</u></b>	1 credit - Sophomore
<b>CONTENT:</b>	This course studies the cultural, economic, political, and social developments that have shaped the world since c. 1200 CE to present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This course is designed for those who have a strong interest in social studies and world events. It is a fast-paced appraisal of culture, geography, economic and political development, history, religion, and art throughout the world.	
<b>PREREQUISITES:</b>	80%+ in Honors Ancient World/95%+ in Ancient World History, or Composite PSAT over 1100 OR PSAT Verbal over 550, or teacher recommendation	
<b>LENGTH OF COURSE:</b>	One year	
<b>SS 600</b>	<b><u>U.S. History</u></b>	1 credit - Junior
<b>CONTENT:</b>	This course studies a period of the pre-civil war in America to recent time. It explores in depth the various presidencies and policies that affected the United States during key times of the nation's development. Students will	



study the major wars and their impact on the American people. The course content also explores the issues of poverty, immigration, economic and social movements, and justice issues throughout the nation's history. Students will be introduced to the social and cultural history of the nation.

**PREREQUISITES:**

Ancient and Modern World History and Geography

**LENGTH OF COURSE:**

One year

**SS 605**

**Advanced Placement U.S. History**

1 credit - Junior

**CONTENT:**

The course covers the periods of exploration and colonization to 1763, the Revolutionary era, Constitutional Government, the Jefferson and Jacksonian periods, the split between the North and South, domestic America, and the Imperial Republic during the first semester. The second semester includes the study of the Progressive Movement, World War I, the Great Depression, World War II, and current history. Several texts, outside reading assignments, tables, charts, maps, and graph analysis assist students with in-depth, comprehensive coverage of the events of American history.

**PREREQUISITES:**

80%+ in AP World History: Modern/95%+ in Ancient World History and Geography, or composite PSAT over 1100, or PSAT verbal over 550, or teacher recommendation.

**LENGTH OF COURSE:**

One year

**SS 640**

**U.S. Government**

1/2 credit - Senior

**CONTENT:**

This course examines the principles and beliefs upon which the United States was founded and the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus on the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States.

**PREREQUISITES:**

Ancient World History and Geography, Modern World History and Geography, and U.S. History

**LENGTH OF COURSE:**

One semester

**SS 642**

**Advanced Placement U.S. Government and Politics**

1/2 credit - Senior

**CONTENT:**

This course is designed to conform to the general standards of the AP program and the study of political behavior. It stresses the study of both general concepts used to interpret U.S. politics and the analysis of specific examples. Special emphasis is placed on the use of cases that describe the activities of citizens and political decision-makers, thus emphasizing an analytical approach to the three branches of government, the federal bureaucracy, and the various unofficial political specialists. Students must have a keen interest in government, politics, current events, and elections.

**PREREQUISITES:**

80%+ APUSH/95% US History or PSAT composite score of 1100 or verbal of 550 or teacher recommendation.

<b>LENGTH OF COURSE:</b>	One semester – spring
<b>SS 645</b>	<b><u>Economics</u></b> 1/2 credit - Senior
<b>CONTENT:</b>	The focus of this course is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The impact of a variety of factors including geography, the federal government, economic ideas from important philosophers and historic documents, societal values, and technological innovations on the national economy and economic policy is an integral part of the course.
<b>PREREQUISITES:</b>	Ancient World History and Geography, Modern World History and Geography, and U.S. History
<b>LENGTH OF COURSE:</b>	One semester
<b>SS 646</b>	<b><u>Honors Economics</u></b> 1/2 credit - Senior
<b>CONTENT:</b>	This course is open to students who demonstrate proficiency in mathematics and English. It provides students with an opportunity to thoroughly examine the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, with the larger economic system. It places emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. In the second quarter, emphasis is given to the study of economic performance measures, economic growth, and international economics.
<b>PREREQUISITES:</b>	Teacher recommendation, and PSAT composite score of 1100 or verbal of 550
<b>LENGTH OF COURSE:</b>	One semester, fall
<b>SS 656</b>	<b><u>Psychology</u></b> 1/2 credit elective – Sophomore, Junior, Senior
<b>CONTENT:</b>	An introduction to psychology with a focus on the history, current issues, and future of psychology. Students will learn about psychological research, child development, learning theory, intelligence, memory and thought, sensation, perception, motivation, and emotion. The course also includes a study of the brain and nervous system.
<b>PREREQUISITES:</b>	None
<b>LENGTH OF COURSE:</b>	One semester
<b>SS 655</b>	<b><u>AP Psychology</u></b> 1 credit elective – Sophomore, Junior, Senior
<b>CONTENT:</b>	Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. This course examines the concepts of psychology through reading, discussion, and analyzation of data from psychological research.
<b>PREREQUISITES:</b>	Students must meet two of the following criteria: 80% + in honors English/ 90% + English, teacher recommendation, or PSAT verbal of 500 +
<b>LENGTH OF COURSE:</b>	One year

**SS 680**

**Student Leadership**

1 credit - Junior, Senior

**CONTENT:**

Student Leadership is a course for students who seek opportunities to expand and deepen their group and individual skills to positively impact their lives and their community. This is a pass/ fail course.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One semester

## FINE ARTS

<b>FA 700</b>	<b><u>AutoCAD Drafting &amp; 3D Modelling</u></b>	1/2 credit - Sophomore, Junior, Senior
<b>CONTENT:</b>	Students will explore and receive instruction in basic architecture, engineering, technical theatre, design, art, 3D printing, and many other computer-aided design subjects. This course will inspire critical thinking, problem solving, creative thinking and builds math skills. This course will integrate 3D modelling software.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One Semester	
<b>FA 704</b>	<b><u>Drawing</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	This course is a continuation of Visual Foundations with an emphasis on drawing. Both the ability to render real and imaginary will be explored. Students will gain a background of art history from each project.	
<b>PREREQUISITES:</b>	Visual Foundations or the equivalent	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 705</b>	<b><u>Visual Foundations</u></b>	1/2 credit elective - all levels
<b>CONTENT:</b>	This course is designed to provide the student with a basic appreciation and understanding of compositional structure as a framework for the Visual Arts. It is both product and process oriented, with an emphasis on learning by doing. Members learn the Elements and Principles of Design, how to master basic shapes, sketching with eye-hand co-ordination. Equally, students practice building on the many skill sets they learn, such as line quality, figure ground spatial relationships, Art History research, creative self-expression, and critical analysis of artworks. A sketchbook (blank page spiral) is required to be purchased by the student.	
<b>PREREQUISITE:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 706</b>	<b><u>Painting</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	This course is designed as an introduction to the process of painting with acrylics and watercolor. Students will learn the properties of color through exercises in color-theory, how to mix paint through a variety of painting exercises. Students will also review design rules, and problem solve via creative exploration and critical thinking exercises. Art Historical research will accompany each assignment. A sketchbook (blank page spiral) is required to be purchased by the student.	
<b>PREREQUISITE:</b>	Visual Foundations or the equivalent	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 707</b>	<b><u>Textile Art and Design</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	This course is a design/crafts class that focuses on a myriad of decorative textile design materials such as fabric, fiber, wire, metal, beads, glass, clay, wood, stone, and mixed media. Skillsets learned, include, but are not limited to design, sketching/planning, sewing, macramé, weaving, jewelry making, collage, paper crafting, glass slumping, and wearable art. Art historical knowledge/study lends a rich background in design/decoration and color theory. Equally, a knowledge base of (high profile) contemporary designers will be covered.	
<b>PREREQUISITE:</b>	Visual Foundations or the equivalent	
<b>LENGTH OF COURSE:</b>	One semester	

<b>FA 708</b>	<b><u>Sculpture</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	This course is designed to introduce the student to the many aspects of sculpture as a working method. Students internalize the Elements and Principles of 3-dimensional Design, explore the manipulation of materials and learn the physical properties of each. Examples of materials; paper, cardboard, clay, foam, found objects, plaster, wire, wood. Students will problem solve with creative solutions to critical thinking exercises. Art Historical research will accompany each assignment. A sketchbook (blank page spiral) is required to be purchased by the student.	
<b>PREREQUISITES:</b>	Visual Foundations or the equivalent	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 714</b>	<b><u>Studio Art</u></b>	1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.	
<b>PREREQUISITES:</b>	Visual Foundations, one to two additional art courses and teacher recommendation	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 717</b>	<b><u>Studio Art II</u></b>	1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor, and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.	
<b>PREREQUISITES:</b>	Studio Art I and teacher recommendation	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 721</b>	<b><u>Studio Art III</u></b>	1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.	
<b>PREREQUISITES:</b>	Studio Art I and II, and teacher recommendation	
<b>LENGTH OF COURSE:</b>	One semester	
<b>FA 722</b>	<b><u>Studio Art IV</u></b>	1/2 credit elective - Senior

**CONTENT:** This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and confidence as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.

**PREREQUISITES:** Studio Art I, II, and III, and teacher recommendation

**LENGTH OF COURSE:** One semester

**FA 719** **Digital Photography** 1/2 credit elective - all levels

**CONTENT:** Students will learn how to photograph, digitally edit, and print photos using digital cameras, Adobe Photoshop, and ink jet printers. Students are expected to master the fundamental principles of design, lighting, basic digital camera operation, and computer photography software. Student-owned digital camera, and \$20 for printing cost for supplies required

**PREREQUISITES:** None

**LENGTH OF COURSE:** One semester

**FA 720** **Graphic Design Techniques** 1/2 credit elective - all levels

**CONTENT:** This course is a continuation of Visual Foundations with an emphasis on visual communications and advertising/print media. Students will focus on projects that are design based and include positive/negative space, color, composition, print, logotypes, layout, and typography. Multimedia concepts and studio techniques geared toward a complete visual presentation will be utilized. Sketchbook required

**PREREQUISITES:** None

**LENGTH OF COURSE:** One semester

**FA 724** **Photojournalism** 1/2 credit elective - Sophomore, Junior, Senior

**CONTENT:** Students will learn camera handling, f-stops, lens variation, shutter speeds, panning, depth of field, and composition. Technical quality will entail metering and bracketing. Students will become familiar with the forms of photojournalism and learn how to prepare a photo for publication. Student-owned digital camera and sketchbook required. Students will complete photography assignments for the Del Sarto yearbook along with individual projects. Additional time outside of class is needed for successful completion of this course.

**PREREQUISITE:** Digital Photography

**LENGTH OF COURSE:** One semester

**FA 723** **Intermediate Digital Photography** 1/2 credit elective - Sophomore, Junior, Senior

**CONTENT:** Students will learn intermediate photography concepts and increase skills in the use of Adobe Photoshop. They will be introduced to diptychs, triptychs, advanced blending and collage and surreal imagery. They will also study shooting styles including photojournalism and fine art. Students will layer masks and create and use vectors. Students will complete photography assignments for the Del Sarto yearbook along with individual projects. Additional time outside of class is needed for successful completion of this course. Student-owned digital camera, and \$20 supply fee required.

<b>PREREQUISITES:</b>	80 or above in Digital Photography
<b>LENGTH OF COURSE:</b>	One semester
<b>FA 761</b>	<b><u>Theatre Arts I</u></b> 1/2 credit elective - all levels
<b>CONTENT:</b>	The study of theatre history and basic acting skills are undertaken in this course. Students will experience an overview of drama and musical theatre. Students will be introduced to the basic concepts of theatre arts. Students will use various creative drama techniques to build confidence and trust, stimulate imagination, movement, and role-play. Students will get a better understanding of "performance" in a playful, encouraging, collaborative atmosphere. Students will also focus upon the exploration and analysis of dramatic structure and genres. Through theatre games, performances, and activities students will learn to lose inhibitions and gain self-confidence as performers. Students will perform both classical and contemporary drama/comedy, as well as musical theatre.
<b>PREREQUISITES:</b>	None
<b>LENGTH OF COURSE:</b>	One semester
<b>FA 762 and FA 756</b>	<b><u>Theatre Arts II and III</u></b> 1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	The study of theater history and advance acting skills are undertaken in this course. Students will be introduced to more advanced concepts of theatre arts. Students will use various creative drama techniques to build confidence and trust, stimulate imagination, movement, and role-play. Students will get an advanced understanding of "performance" in a playful, encouraging, collaborative atmosphere. Students will also focus on the exploration and analysis of dramatic structure and genres. Through theatre games, performances and activities, students will learn to lose inhibitions and gain self-confidence as performers. Students will perform both classical and contemporary drama, as well as musical theatre.
<b>PREREQUISITES:</b>	Theatre Arts I, participation in two or more shows, or teacher recommendation
<b>LENGTH OF COURSE:</b>	One semester
<b>FA 764</b>	<b><u>Technical Theatre I</u></b> 1/2 credit elective - all levels
<b>CONTENT:</b>	Students will learn general principles, techniques, methods, and skills used in theatrical design and production. Students will participate in model making, tool practicums, construction, and painting. Students will be required to see a play every quarter and provide a critical analysis.
<b>PREREQUISITES:</b>	None
<b>LENGTH OF COURSE:</b>	One semester
<b>FA 760</b>	<b><u>Technical Theatre II</u></b> 1/2 credit - all levels
<b>CONTENT:</b>	This course offers continued growth in theatrical design with a greater focus on design, lighting, and sound. Students will further develop their construction skills and electrical work.
<b>PREREQUISITES:</b>	Tech Theatre I or instructor approval
<b>LENGTH OF COURSE:</b>	One semester
<b>FA 757 and FA 758</b>	<b><u>Technical Theatre III and IV</u></b> 1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	This course is a hands-on class, with the focus on theatrical production from the ground up. Students will work creatively and collaboratively to design and build for the Veritas Theatre shows. Students in the course will be considered

“student technicians” and will have opportunities to work real-world events outside of SPX productions.

**PREREQUISITES:**

Technical Theatre II with a passing grade or instructor approval

**LENGTH OF COURSE:**

One semester

**FA 605**

**Band**

1 credit elective - all levels

**CONTENT:**

This course is designed to teach students to perform as an ensemble and/or soloist. They will have opportunities to perform for musical enjoyment at school, community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of band literature, and improve technical proficiency and creative self-expression both individually and as group participants.

**PREREQUISITES:**

Ability to read music and count basic rhythms and play an instrument, or director recommendation

**LENGTH OF COURSE:**

One year

**FA 615**

**Percussion**

1 credit elective - all levels

**CONTENT:**

Students will study all the instruments in the percussion section including the drumline instruments. This course is designed to teach students to perform as an ensemble and/or soloist. They will have opportunities to perform for musical enjoyment at school, community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of percussion literature, and improve technical proficiency and creative self-expression both individually and as group participants.

**PREREQUISITES:**

Ability to read music and count basic rhythms and play an instrument, or director recommendation

**LENGTH OF COURSE:**

One year

**FA 610**

**Orchestra**

1 credit – all levels

**CONTENT:**

This course is designed to provide students with the opportunity to learn musical instruments and basic musical concepts. Students will learn to perform as an ensemble and/soloist. They will have opportunities to perform for musical enjoyment at school at school community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of diverse literature, and improve technical proficiency and creative self-expression both individually and as group participants.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One year

**FA 779**

**Music Appreciation**

1/2 fine arts credit - Junior, Senior

**CONTENT:**

This course serves as a general survey of music literature. Students will study different periods of music through recordings, videos, and performances of multiple composers. In music appreciation, students will also learn the history of music from the early ages to the present day. Students will discuss how music affects society and the value it holds with the human population. How



music was first created and has changed over time will be studied as students explore music in every genre.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One semester

**FA 780**

**Dance I**

1/2 credit - all levels

**CONTENT:**

Students will learn applicable dance vocabulary. Students will acquire fundamental skills in ballet, lyrical, hip hop, jazz, modern dance, and more. Students will explore creative expression through movement and develop awareness of the five Elements of Dance: body, action, space, time, and energy. Self-confidence will be developed through use of the body as an expressive instrument in class and by choreographing and performing end of unit routines. Students will need participation attire including appropriate length shorts or leggings, a t-shirt, and appropriate footwear (socks or tennis shoes).

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One semester

**FA 781**

**Dance II**

1/2 credit – all levels

Fine Arts or PE credit earned

**CONTENT:**

Dance II is a paced course with more attention to details and technique of ballet, lyrical, hip hop, jazz, modern dance, and more. Students will learn applicable dance vocabulary. Students will explore creative expression through movement and develop awareness of the five Elements of Dance: body, action, space, time, and energy. Self-confidence will be developed through use of the body as an expressive instrument in class and by choreographing and performing end of unit routines. Students will expand on dance knowledge and skill by completing end of unit dance critiques. Students will need participation attire including appropriate length shorts or leggings, a t-shirt, and appropriate footwear (socks or tennis shoes).

**PREREQUISITES:**

Dance I or instructor approval

**LENGTH OF COURSE:**

One semester

**FA 620**

**Morning Chorus**

1 credit elective - all levels

**CONTENT:**

This course is designed to introduce students to fundamental vocal music skills and active music making including mastery of skills and artistry. The vocal ensemble is trained in the classical Belle Canto style of music and includes interpretation and performance of a variety of music literature from Baroque to Broadway. Choristers participate and are graded on their participation in the production of winter concerts, holiday concerts, fall pop shows, and liturgical music ministry service. Emphasis will be placed on the discipline of the mental tools of creativity, communication, critical assessment, and commitment. The vocal ensembles and choristers compete annually each spring in the TAPPS Solo and Ensemble music competition. Each chorister is responsible for purchase of his/her uniform – female \$90, male \$125 (may be deferred by scholarship and/or fundraising). The class meets every school day from 7:00 am to 7:40 am and is offered for students who cannot fit FA 620-Chorus into their daily class schedule.

**PREREQUISITES:**

None

**LENGTH OF COURSE:**

One year

**FA 000; FA 002**

**CONTENT:**

**PREREQUISITES:**

**LENGTH OF COURSE:**

**Fine Arts**

1/2 credit elective – all levels

This credit is earned when students participate in fine arts activities, such as theater production, beyond the school day; this is not a scheduled class.

Auditions, and/or application/interviews, and teacher recommendation

One semester, fall or spring

**FA 001**

**CONTENT:**

**PREREQUISITES:**

**LENGTH OF COURSE:**

**Marching Band**

1/2 credit elective – all levels

This credit is earned when students participate in marching band beyond the school day; this is not a scheduled class.

Auditions, and/or application/interviews, and teacher recommendation

One semester, fall or spring

## BUSINESS

<b>BS 915</b>	<b><u>Personal Finance</u></b>	1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	Personal Finance is a one semester course which provides the opportunity to learn everyday "life-skills" including money management, personal recordkeeping, career opportunities and economic risk factors through applications. Students will compete in the Budget Challenge to apply financial literacy.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>BS 919</b>	<b><u>Business and Personal Law</u></b>	1/2 credit elective, fall - Junior, Senior
<b>CONTENT:</b>	This course introduces the fundamentals of business and personal areas of law that are of interest to the student. The course will expose the student to the legal system, forms of business organization, fundamentals of contract law, business ethics, and other legal realms affecting today's society and students.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>BS 921</b>	<b><u>International Business</u></b>	1/2 credit elective, spring - Junior, Senior
<b>CONTENT:</b>	The course will provide a foundation for studying international business and will cover aspects of conducting business in the global economy. Students will observe how international businesses are dependent upon various factors such as national economies, societies, and cultures.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>BS 925</b>	<b><u>Career Exploration</u></b>	1/2 credit elective - Junior, Senior
<b>CONTENT:</b>	Students may assist in the Library, Advancement, Academics, Technology, Office for Campus Ministry, and/or Enrollment departments. Students will develop organizational and social skills needed for post-secondary work. Grading is based on work ethic, conduct, punctuality, and participation. Participation covers demonstrating initiative, accomplishing assignments, working without constant supervision, positive and helpful attitude.	
<b>PREREQUISITES:</b>	Recommendation required	
<b>LENGTH OF COURSE:</b>	One semester	

## COMPUTER SCIENCE

<b>CS 911</b>	<b><u>Computer Applications</u></b>	1/2 credit - Freshman, Sophomore
<b>CONTENT:</b>	This course is designed to introduce students to the Microsoft Office365 and SPX platform. Students will learn how to create documents, spreadsheets, and presentations. Students will organize and share files in an online platform and apply internet-based communications skills. Students will complete a major project at the end of each unit which integrates what they have learned. Beginning with the class of 2025, this course will be required in the freshman or sophomore year and serve as a prerequisite for all technology courses.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>SOFTWARE:</b>	Microsoft Office 365	
<b>CS 942</b>	<b><u>Computer Science</u></b>	1/2 credit elective - Sophomore, Junior, Senior
<b>CONTENT:</b>	This course is designed to introduce students to the “computational thinking” of Computer Science. The goal is to help students understand the common terminology used in Computer Science. The student is introduced to the elements of program design and implementation, using graphical simulations which resemble computer games although their underpinnings form the basis of computer programming. In a graphical environment, students will learn to create programs which make decisions and respond to keyboard and mouse clicks. It is recommended that a student take AP Computer Science or AP Computer Science Principles after Computer Science. Students who have already taken an AP level Computer Science class should not enroll in Computer Science.	
<b>PREREQUISITES:</b>	Algebra I	
<b>LENGTH OF COURSE:</b>	One semester	
<b>SOFTWARE:</b>	repl.it	
<b>CS 944</b>	<b><u>Web Page Design</u></b>	1/2 credit - Sophomore, Junior, Senior
<b>CONTENT:</b>	This is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality; learn how to create and maintain quality web pages; learn about web design standards and why they are important; and learn to create and manipulate images. The course progresses from introductory work on web design to culminating project demonstrating the breadth of web technologies learned throughout the course.	
<b>PREREQUISITES:</b>	Multimedia or demonstrated proficiency in keyboarding	
<b>LENGTH OF COURSE:</b>	One semester	
<b>SOFTWARE:</b>	Adobe Photoshop, Microsoft Notepad, and various web browsers	
<b>CS 955</b>	<b><u>AP Computer Science: Principles</u></b>	1 credit elective – Sophomore, Junior, Senior
<b>CONTENT:</b>	AP Computer Science Principles covers the principles that underlie the science of computing and develop the thinking skills that computer scientists use. You’ll work on your own and as part of a team to creatively address real-world issues using the tools and processes of computation. Students are required to produce a 20+ hour project to submit to the College Board.	
<b>PREREQUISITES:</b>	Completion of High School Algebra	
<b>LENGTH OF COURSE:</b>	One year	
<b>SOFTWARE:</b>	repl.it and various web browsers	

**CS 948**

**CONTENT:**

**AP Computer Science**

1 credit elective - Junior, Senior

AP Computer Science emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college level course in Computer Science. It also includes the study of data structures, design, and abstraction.

**PREREQUISITES:**

Computer Science or AP Computer Science Principles

**LENGTH OF COURSE:**

One year

**SOFTWARE:**

JCreator and Java

**CS 950**

**CONTENT:**

**Robotics I**

1 credit elective - Sophomore, Junior, Senior

This course will work to prepare students to work at different levels and to result in the formation of a robotics competitive team. This course will focus on the creation of circuits that are controlled by microprocessors and programmed to reach specific outcomes. Students will follow the engineering design process in a simplified form and will have their work driven by a project-based approach.

**PREREQUISITES:**

Algebra I

**LENGTH OF COURSE:**

One year

## PHYSICAL EDUCATION/ATHLETICS

<b>PE 961</b>	<b><u>Physical Education I</u></b>	1/2 credit - all levels
<b>CONTENT:</b>	The Physical Education I course emphasizes the importance of continued physical activity and the overall impact it has on life expectancy. Knowledge and skills of movement are acquired to enable the student to pursue a physically active lifestyle and to understand the relationship between physical activity and overall health throughout a life span. The students will explore different styles of exercise and learn the proper etiquette and safety rules of the weight room.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>PE 952</b>	<b><u>Physical Education II</u></b>	1/2 credit - Sophomore, Junior, Senior
<b>CONTENT:</b>	Physical Education II emphasizes health-related fitness and an appreciation for teamwork and fair play through team sports. Students will gain knowledge of physical activity and health components that may be used throughout life. Students will demonstrate competency in many movement forms and proficiency in three or more team sports.	
<b>PREREQUISITES:</b>	Physical Education I	
<b>LENGTH OF COURSE:</b>	One semester	
<b>PE 954</b>	<b><u>Health</u></b>	1/2 credit - Freshman
<b>CONTENT:</b>	Good health is determined by meeting the physical and emotional needs of the body. This course divides the curriculum into four major areas: knowledge of one's physical self, knowledge of one's emotional self, elements which add to one's health, and elements which take away from one's health. Presenting the facts and allowing the students to make sound decisions based on knowledge rather than myth or hearsay are the crux of this course.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	
<b>PE 959</b>	<b><u>Physical Education III</u></b>	1/2 credit - Sophomore, Junior, Senior
<b>CONTENTS:</b>	Students will participate in a range of individual sports selected by the instructor. Students will acquire movement knowledge and skills that provide the foundation for enjoyment and continued social development through physical activity. Student selections of individual sports activities that are enjoyable are a major objective of this course.	
<b>PREREQUISITES:</b>	Physical Education II	
<b>LENGTH OF COURSE:</b>	One semester	
<b>PE 000; PE 001</b>	<b><u>Athletics</u></b>	1/2 credit - Sophomore, Junior, Senior
<b>CONTENT:</b>	This credit is earned when students participate in athletics beyond the school day; this is not a scheduled class. Students have the option of participating in after-school teams including baseball, basketball, cheer, color guard, cross-country, drill, football, rugby, softball, track, golf, soccer, rugby, lacrosse, swimming, tennis and volleyball. Required during and after school are practice, competing against other schools, and following the regulations of the Athletic Department. This credit is earned when students participate in athletics beyond the school day; this is not a scheduled class.	
<b>PREREQUISITES:</b>	None	
<b>LENGTH OF COURSE:</b>	One semester	

**PE 967**

**Intro to Kinesiology and Sports Medicine I and II**

1 credit - all levels

**CONTENT:**

This course provides an opportunity for the study and application of components of kinesiology and sports medicine. Topics of study include human movement, sports medicine, concepts of sport injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CRP/AED, the injury process, skin conditions, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

**PREREQUISITES:**

Health

**LENGTH OF COURSE:**

One year

## STUDY LAB

SL 041 Fall; SL 042 Spring

### Study Lab

0 credits

**CONTENT:**

Study labs are reserved for junior and senior students who need additional time for advanced course work and/or meeting with the college counselor. This time is expected to be productive time to work on course work. Students using this as 'free time' may be removed. Freshmen and Sophomore students may request a study lab however counselor approval will be required. Students are only eligible if they are on-track to fulfilling graduation requirements. Study labs are not guaranteed for any students.

**PREREQUISITES:**

Students who are on-track to fulfill their graduation requirements

**LENGTH OF COURSE:**

One semester



## AP FAMILY AGREEMENT

Advanced Placement (AP) is a nationwide program that is designed to prepare secondary students for higher education. AP classes provide rigorous, college-level curriculum in various subjects and the opportunity to earn college credits or advanced college standing. The AP Program is administered by the College Board under the advisement of national groups of educators.

While St. Pius X encourages all students to enroll in courses that push their academic skills, we also would like to acknowledge that AP courses are college-level rigor and therefore students and families should be prepared for the additional expectations and responsibilities as outlined below. Students interested in enrolling in an AP course are required acknowledgement of the following policies:

1. AP courses will be taken by students interested in experiencing college level curriculum and expectations. Students and families acknowledge that they are not enrolling in AP courses for the additional grade point average.
2. AP courses require additional effort **on the part of the student**. Due to the nature of the coursework this additional time may include: an hour of homework per AP class, additional tutorials as needed, and additional time commitments outside of the school day for studying and/or completing practice exams.
3. AP courses are designed to be college-level curriculum and therefore classes may move at a faster speed than non-AP courses.
4. Students enrolled in AP courses are expected to take and give their best effort on the AP exam. Refusal to take the exam or lack of effort on an exam may preclude the student from enrolling in further AP courses in the future.
5. Enrollment in AP classes will be approved if students meet the criteria as outlined in the course catalog.
6. Students wishing to enroll in **three** or more AP classes in the same academic year must get the additional approval of the Dean of Academics, through their counselor.
7. Students are expected to enroll in AP classes for the duration of the school year.

### Signatures

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Student

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Parent/Guardian

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Counselor

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Dean of Academics